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L2: Entry 1 of 2

File: JPAB

Jun 22, 1993

PUB-NO: JP405154868A

DOCUMENT-IDENTIFIER: JP 05154868 A

TITLE: VESSEL MOLDING DEVICE

PUBN-DATE: June 22, 1993

## INVENTOR-INFORMATION:

NAME

COUNTRY

MOMOTOME, MASAOKI

## ASSIGNEE-INFORMATION:

NAME

COUNTRY

DAINIPPON PRINTING CO LTD

APPL-NO: JP03326149

APPL-DATE: December 10, 1991

US-CL-CURRENT: 425/112

INT-CL (IPC): B29C 45/14; B29C 45/26; B29D 22/00

## ABSTRACT:

PURPOSE: To enable high-precision molding by a method wherein after a vessel- like blank is molded between a cavity and core by an insert injection molding method, synthetic resin is injected onto the surface of the vessel-like blank between the cavity and core, and a vessel main body is molded.

CONSTITUTION: After a preheated laminated sheet 23 is carried between a cavity 21 and core 25, the cavity 21 is raised and the laminated sheet 23 is pressed into the cavity 21 by the core 25. Then after the laminated sheet 23 is held by placing between a cavity side pressing part 22 and core side pressing part 26, the laminated sheet 23 is vacuum-drawn and the laminated sheet 23 is stuck close to the inside 21a of the cavity. The cavity 21 is raised after that, the fringe part of the laminated sheet 23 is cut off by a cutting part 27 and a vessel- like blank 17 is obtained. Then the core 25 and core side pressing part 26 are raised a little, synthetic resin 18 is injected into an injection space 19 between the cavity 21 and core 25 and a vessel main body 14 is completed.

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Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 2. Document ID: JP 05154868 A

L2: Entry 2 of 2

File: DWPI

Jun 22, 1993

DERWENT-ACC-NO: 1993-231917  
DERWENT-WEEK: 199329  
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TITLE: Container moulding device for mg. plastics containers - includes cavity having side-pressing part, core, cutting part and injection port

## PATENT-ASSIGNEE:

ASSIGNEE

DAINIPPON PRINTING CO LTD

CODE

NIPQ

PRIORITY-DATA: 1991JP-0326149 (December 10, 1991)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>JP 05154868 A</u>	June 22, 1993		005	B29C045/14

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 05154868A	December 10, 1991	1991JP-0326149	

INT-CL (IPC): B29C 45/14; B29C 45/26; B29D 22/00; B29L 22/00

ABSTRACTED-PUB-NO: JP 05154868A

## BASIC-ABSTRACT:

Cavity having a cavity side presing part is provided at the periphery of the top opening of cavity, and a core having a core side pressing part to press a laminated sheet between it and the cavity side pressing part, an injection space being formed between the cavity and the core. Cutting part is provided slidably on the outside periphery of the core side pressing part to cut the laminated sheet; and an injection port is provided on the core to inject molten resin into the injection space.

USE/ADVANTAGE - To mfr. plastics containers. In this device, a container-shape blank is formed between the core and the cavity, and then molten resin is injected to the surface of the container-shape blank in the injection space. Thus, no dimensional deviation occurs between the injection space and the container-shape blank.

CHOSEN-DRAWING: Dwg.0/4

TITLE-TERMS: CONTAINER MOULD DEVICE MG PLASTICS CONTAINER CAVITY SIDE PRESS PART  
CORE CUT PART INJECTION PORT

DERWENT-CLASS: A32 A92

CPI-CODES: A11-A05; A11-B09A2; A11-B12A; A12-P06;

## POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0229 2465 2510 2545 2604 2774 3233 3241

Multipunch Codes: 014 03- 371 377 381 437 456 461 476 54&amp; 541 542 56&amp; 602

## SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1993-103023

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